

WHAT IS CLAIMED IS:

- 1 1. An image forming apparatus, comprising:
 - 2 a belt member, seamed to form an endless belt which is stretched by
 - 3 a plurality of roller members and circulated in a first direction, the belt member
 - 4 provided with an electrode portion at a first end portion thereof in a second
 - 5 direction perpendicular to the first direction; and
 - 6 a cleaning member, abutted against the belt member,
 - 7 wherein a seam of the belt member extends obliquely relative to the
 - 8 first direction such that an end of the seam confronting the electrode portion is
 - 9 situated in an upstream side of the first direction.
- 1 2. The image forming apparatus as set forth in claim 1, wherein:
 - 2 the belt member comprises a substrate, a conductive layer laminated
 - 3 on the substrate, and a semiconductive layer laminated on the conductive
 - 4 layer so as to have a smaller dimension than the conductive layer in the
 - 5 second direction; and
 - 6 the electrode portion is formed on both of the conductive layer and
 - 7 the semiconductive layer.
- 1 3. The image forming apparatus as set forth in claim 1, further
- 2 comprising an electrode roller abutted against the electrode portion to apply a
- 3 bias voltage for primarily transferring a toner image on the belt member.

1 4. The image forming apparatus as set forth in claim 3, further
2 comprising a sensor, which monitors the bias voltage to detect a breakage of
3 the seam.

1 5. An image forming apparatus, comprising:
2 a belt member, seamed to form an endless belt which is stretched by
3 a plurality of roller members and circulated in a first direction, the belt member
4 provided with an electrode portion at a first end portion thereof in a second
5 direction perpendicular to the first direction; and
6 a cleaning member, abutted against the belt member,
7 wherein a seam of the belt member extends obliquely relative to the
8 first direction such that an end of the seam confronting the electrode portion is
9 situated in a downstream side of the first direction.

1 6. The image forming apparatus as set forth in claim 5, wherein:
2 the belt member comprises a substrate, a conductive layer laminated
3 on the substrate, and a semiconductive layer laminated on the conductive
4 layer so as to have a smaller dimension than the conductive layer in the
5 second direction; and
6 the electrode portion is formed on both of the conductive layer and
7 the semiconductive layer.

1 7. The image forming apparatus as set forth in claim 5, further
2 comprising an electrode roller abutted against the electrode portion to apply a
3 bias voltage for primarily transferring a toner image on the belt member.

1 8. An image forming apparatus, comprising:
2 a belt member, seamed to form an endless belt which is stretched
3 and circulated by a plurality of roller members, the belt member provided with
4 an indicator which indicates a reference position of the circulation of the belt
5 member; and

6 a controller, which stops the circulation of the belt member such that
7 the indicator is situated at a position between adjacent ones of the rollers.

1 9. The image forming apparatus as set forth in claim 8, wherein the
2 adjacent rollers are ones arranged with a largest interval.

1 10. An image forming apparatus, comprising:

2 a belt member, seamed to form an endless belt which is stretched
3 and circulated by a plurality of roller members, the belt member provided with a
4 first region corresponding to an image forming region, and a second region
5 provided with a seam of the belt member and corresponding to a non-image
6 forming region;

7 a cleaning member, which is abutted against the belt member; and

8 a mechanism, which first bring the cleaning member into contact with
9 a first widthwise end portion in the second region of the belt member, so that
10 the cleaning member is entirely brought into contact with the belt member at a
11 second widthwise end portion in the second region thereof,

12 wherein a track of a contact point between the cleaning member and
13 the belt member extends so as to avoid the seam.

1 11. The image forming apparatus as set forth in claim 10, wherein the belt
2 member is provided with an electrode portion at the first widthwise end thereof,
3 through which a bias voltage for primarily transferring a toner image is applied.

1 12. The image forming apparatus as set forth in claim 10, wherein the
2 mechanism first separate the cleaning member from the second widthwise end
3 portion of the belt member, so that the cleaning member is entirely separated
4 from the belt member at the first widthwise end portion thereof.

1 13. An image forming apparatus, comprising:
2 a belt member, seamed to form an endless belt which is stretched
3 and circulated by a plurality of roller members, the belt member provided with a
4 first region corresponding to an image forming region, and a second region
5 provided with a seam of the belt member and corresponding to a non-image
6 forming region;
7 a cleaning member, which is abutted against the belt member; and
8 a mechanism, which first bring the cleaning member into contact with
9 a first widthwise end portion in the second region of the belt member, so that
10 the cleaning member is entirely brought into contact with the belt member at a
11 second widthwise end portion in the second region thereof,
12 wherein a track of a contact point between the cleaning member and
13 the belt member extends so as to cross the seam.

1 14. The image forming apparatus as set forth in claim 13, wherein the belt
2 member is provided with an electrode portion at the first widthwise end thereof,
3 through which a bias voltage for primarily transferring a toner image is applied.

1 15. The image forming apparatus as set forth in claim 13, wherein the
2 mechanism first separate the cleaning member from the second widthwise end
3 portion of the belt member, so that the cleaning member is entirely separated
4 from the belt member at the first widthwise end portion thereof.

1 16. An image forming apparatus, comprising:
2 a belt member, seamed to form an endless belt which is stretched
3 and circulated by a plurality of roller members, the belt member provided with a
4 first region onto which a toner image is primarily transferred, and a second
5 region provided with a seam of the belt member and onto which the toner
6 image is not transferred;
7 a secondary transfer member, which is abutted against the belt
8 member to secondarily transfer the toner image from the belt member to a
9 recording medium; and
10 a mechanism, which first bring the secondary transfer member into
11 contact with a first widthwise end portion in the second region of the belt
12 member, so that the secondary transfer member is entirely brought into contact
13 with the belt member at a second widthwise end portion in the second region
14 thereof,
15 wherein a track of a contact point between the secondary transfer
16 member and the belt member extends so as to avoid the seam.

- 1 17. The image forming apparatus as set forth in claim 16, wherein the belt
2 member is provided with an electrode portion at the first widthwise end thereof,
3 through which a bias voltage for primarily transferring the toner image is
4 applied.
- 1 18. The image forming apparatus as set forth in claim 16, wherein the
2 mechanism first separate the secondary transfer member from the second
3 widthwise end portion of the belt member, so that the secondary transfer
4 member is entirely separated from the belt member at the first widthwise end
5 portion thereof.
- 1 19. An image forming apparatus, comprising:
2 a belt member, seamed to form an endless belt which is stretched
3 and circulated by a plurality of roller members, the belt member provided with a
4 first region onto which a toner image is primarily transferred, and a second
5 region provided with a seam of the belt member and onto which the toner
6 image is not transferred;
7 a secondary transfer member, which is abutted against the belt
8 member to secondarily transfer the toner image from the belt member to a
9 recording medium; and
10 a mechanism, which first bring the secondary transfer member into
11 contact with a first widthwise end portion in the second region of the belt
12 member, so that the secondary transfer member is entirely brought into contact
13 with the belt member at a second widthwise end portion in the second region

14 thereof,

15 wherein a track of a contact point between the secondary transfer
16 member and the belt member extends so as to cross the seam.

1 20. The image forming apparatus as set forth in claim 19, wherein the belt
2 member is provided with an electrode portion at the first widthwise end thereof,
3 through which a bias voltage for primarily transferring the toner image is
4 applied.

1 21. The image forming apparatus as set forth in claim 19, wherein the
2 mechanism first separate the cleaning member from the second widthwise end
3 portion of the belt member, so that the cleaning member is entirely separated
4 from the belt member at the first widthwise end portion thereof.